

## APPENDIX 5

### BL FOR VERBAND DER CIGARETTENINDUSTRIE

#### Account of Tobacco Used (All Values Computed on Bone Dry Basis)

##### 1. Tobacco Received:

Leaf - 3929.4 lbs. at 10% H<sub>2</sub>O = 3536.46 lbs.  
Stem - 721.0 lbs. at 5.88% H<sub>2</sub>O = 678.60 lbs.  
4215.06 lbs.

##### 2. Tobacco Remaining on Hand:

Stem = None  
-50 Mesh Leaf - 604 lbs. at 7% H<sub>2</sub>O = 562.00 lbs.  
-50 Mesh Blend - 263.5 lbs. at 7% H<sub>2</sub>O = 273.00 lbs.  
635.00 lbs.

##### 3. Tobacco Used Therefore Is: 4215.06

335.00  
3380.06 lbs.

##### 4. Binder Usage:

83% = Leaf 1285.41 lbs. at 7% H<sub>2</sub>O = 1195.43 lbs.  
17% = Stem 263.44 lbs. at 7% H<sub>2</sub>O = 245.00 lbs.  
1440.43 lbs.

##### 5. Pounds Sheet Produced = 3017 lbs. at 20% H<sub>2</sub>O = 2414 lbs.

Average Binder Weight = 3.20 gm/sq. ft.

Average Sheet Weight = 11.64 gm/sq. ft.

##### 6. Blended Dust = 11.64 - 3.20 = 8.44 gm/sq. ft. = 72.517% of Sheet

72.517% x 2414 = 1751 lbs. blended dust or sheet

2) 835.00

4) 1440.43

6) 1751.00

4026.43 lbs. accounted for

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APPENDIX 5 (continued)

7.  $4215.06 - 4026.43 = 188.63$  lbs. of Tobacco Lost as Dust  
and Sheet or 4.46%

8. Stem Received = 678.60 lbs.  
Binder Stem = 245.00 lbs.  
Stem Used in Blend = 433.60 lbs.  
Stems Remaining = None

9. Leaf Received = 3536.46 lbs.  
Binder Leaf = 1195.43 lbs.  
-50 Leaf Remaining = 562.00 lbs.  
Leaf Used in Blend = 1779.03 lbs.

10. Leaf in Blend = 1779.03 lbs.  
Stem in Blend = 433.60 lbs.  
-50 Leaf = 80.4%  
Stem = 19.6%  
  
NOTE: Assuming none of the remaining -50 leaf contains any stem.

11. Leaf Usage:

2)	Remaining on Hand	562.00 lbs.
4)	Used in Binder	1195.43 lbs.
2)	80.4% of Remaining Blend	218.40 lbs.
6)	80.4% of Dust in Sheet	<u>1400.80</u> lbs. 3376.63 lbs.

$3536.46 - 3376.63 = 159.83$  lbs. Lost

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## APPENDIX 5 (continued)

### 12. Stem Usage:

2)	Remaining on Hand	None
4)	Used in Binder	245.00 lbs.
2)	19.6% of Remaining Blend	54.60 lbs.
6)	19.6% of Dust in Sheet	<u>350.20</u> lbs. 649.80 lbs.

$$673.60 - 649.80 = 23.80 \text{ lbs. Lost}$$

### 13.

11)	159.83 (34.7%)
12)	<u>23.80</u> (5.3%)
	183.63 lbs. Lost (Note Same as #7)

### 14. Binder:

4)	Total Leaf Used	= 1195.43 lbs.
	Total Stem Used	= 245.00 lbs.
	Total DAP Used	= 279.56 lbs.
	Total DEG Used	= 104.81 lbs.
	Total Scrub. Used	= <u>3.44</u> lbs. 1828.24 lbs.

From 6) Binder is 27.483% of Total Sheet

27.483% of 2414 = 663.43692 lbs. of Binder in Sheet.

663.43692 ÷ 1828.24 = 36.29% of Binder Solids Used Are  
In the Sheet

15. It appears that about 69.22 lbs. of stems were mixed in error with -50 mesh leaf during the grinding and then labeled as leaf which caused the leaf to stem ratio in the blended dust to vary from 83% leaf, 17% stem to 80.4% leaf, 19.6% stem

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